

## SD SDI VIDEO SWITCH MATRIX MODEL 816-OP/C



816-OP/C SD SDI Switching Matrix



The AVS-816 has eight options to configure the unit to be Analog, SD/SDI or HD/SDI for Video and Audio. The video can be configured for HD/SDI, SD/SDI or Analog. The 816-OP/C is the SD/SDI video plug-in board. The AVS-816 chassis and the 816-OP/C board make up an SD/SDI video only switcher.

You must select the video and audio matrix to make up the desired switcher format. You have the choice of analog or digital for video and audio to configure a video with audio follow switcher.

Software is supplied with all AVS series to control up to 32 switchers from a single computer. See data sheets for the AVS-816/SA analog switcher and AVS-816/SD for SD/SDI system switcher. A remote control is available for the unit, model PSR-816. The plug-in choices are:

- AVS-816, Chassis, power supply and motherboard
- 816-OP/A, Analog video matrix, 16X1, two outputs
- 816-OP/B, Analog audio matrix, 16X1, two outputs
- 816-OP/C, SD SDI video matrix, 16X1, one SD SDI and one analog**
- 816-OP/D, AES audio matrix, 16X1, one AES and one analog
- 816-OP/E, AES rear panel for Weco 3-pin connectors
- 816-OP/F, AES rear panel for BNC connectors
- 816-OP/G, GPI option
- 816-OP/HD, HD/SD SDI video matrix, 16X1, two outputs

Customer selects the above desired options, and the factory configures to your requirement.

# MODEL 816-OP/C SD/SDI VIDEO SWITCHING MATRIX

## SPECIFICATIONS

### SDI VIDEO INPUTS:

Standard: ..... Component 270MB/s  
Number: ..... Sixteen (16)  
Impedance: .....  $75\Omega$ , 1%  
Configuration: ..... Single-Ended, AC Coupled  
Return Loss: ..... >18dB

### SDI Outputs:

Number: ..... One, SD/SDI  
..... One, Analog for Monitoring  
Level: .....  $800\text{mV} \pm 10\%$   
Impedance: .....  $75\Omega$ ,  $\pm 1\%$   
Return Loss: ..... >18dB  
Rise/Fall Time: .....  $1\text{ns} \pm 250\text{ps}$   
Overshoot: ..... <10% of Amplitude  
Equalization: ..... Automatic up to >30dB  
Propagation Delay: ..... 10ns  
Input Cable Length, Max ..... 250m

### ENVIRONMENTAL:

Temperature: .....  $0^\circ$  to  $50^\circ$  C, ambient  
Humidity: ..... 0% to 90% non-condensing

### POWER:

Input: ..... 120/240 VAC  $\pm 10\%$  50/60 Hz  
Power: ..... 8 VAR

### MECHANICAL:

Size:  
Height: ..... 1.375 "  
Width: ..... 6.25"  
Depth: ..... 7.0"  
Weight: ..... 8.5 oz



When configured, the chassis should look like this photo

### Ordering Information

AVS-816 Chassis  
816-OP/A, Video Mstrix  
816-OP/B, Audio Matrix  
816-OP/C, SDI Video Matrix  
816-OP/D, AES Audio Marix  
816-OP/E, AES Balanced Connector Panel  
816-OP/F, Unbalanced BNC Connector Panel  
816-OP/G, GPI Optio  
816-OP/HD, HD/SD SDI Video Matrix